



```
graph TD
    146[LOAN LEVEL VALUATION] --> 148[DETERMINISTIC CASH FLOW BRIDGE]
    150[CASH FLOW TIMING TABLE] --> 148
    148 --> 152[STOCHASTIC CASH FLOW BRIDGE]
    152 --> 168[GE PURSE PREFERENCES TRANCHE PRIORITY]
    168 --> 160[BID OPENING SIMULATION]
    160 --> 162[OTHER BIDDER PREFERENCES]
    162 --> 164[OTHER BIDDER PURSES]
    164 --> 166[BID PROCESS RULE SET]
    166 --> 154{TRANCHE BID PRICE}
    154 --> 156[TRANCHE IRR, TTP MODEL]
    156 --> 160
    160 --> 158{MEAN IRR > 30% NPV > 0}
    158 --> 162
    158 --> 154
    158 --> 160
    158 --> 162
    158 --> 164
    158 --> 166
```

FIG. 4

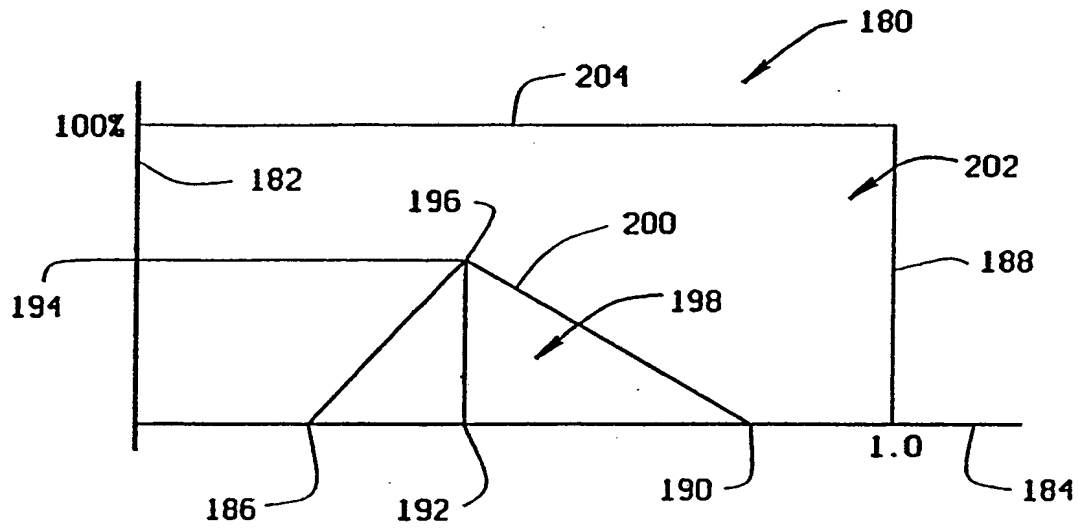


FIG. 5

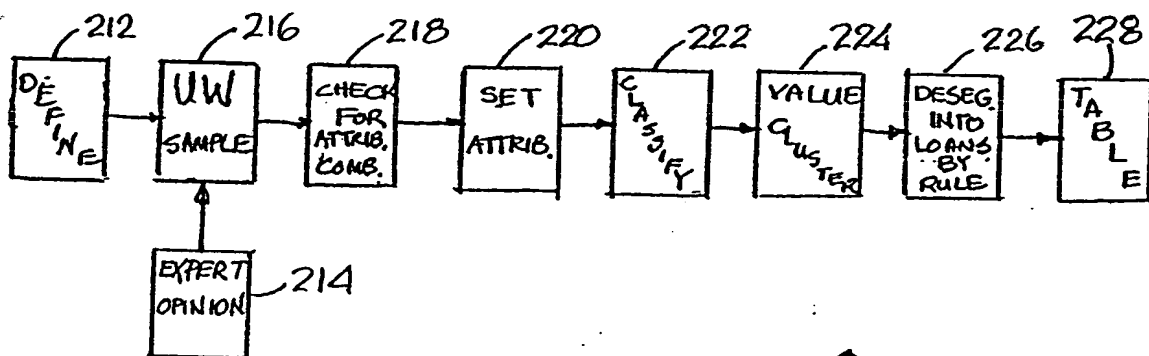


FIG. 6

004722 2879260

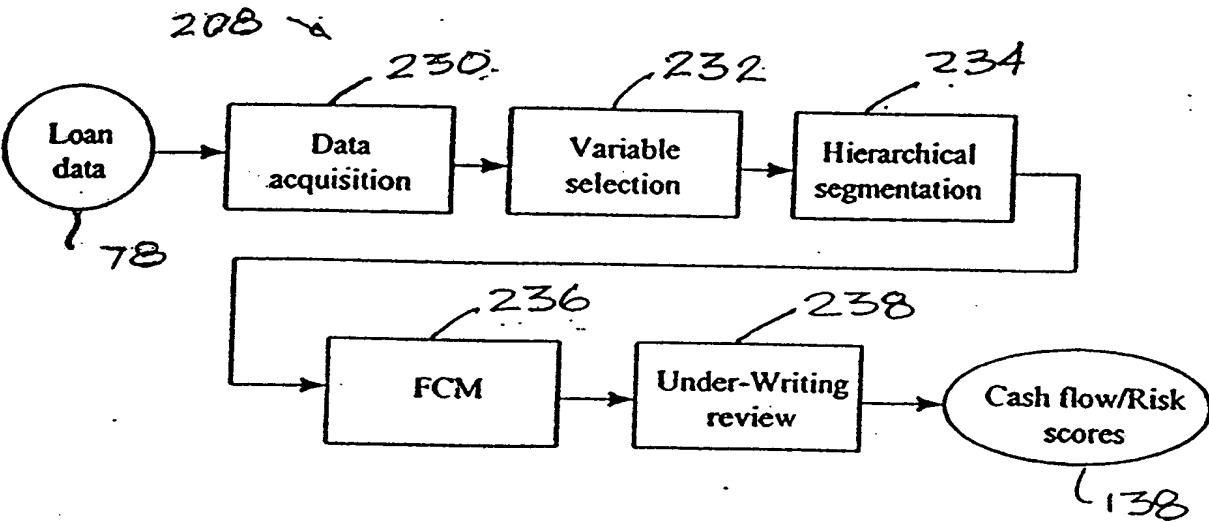


FIG. 7

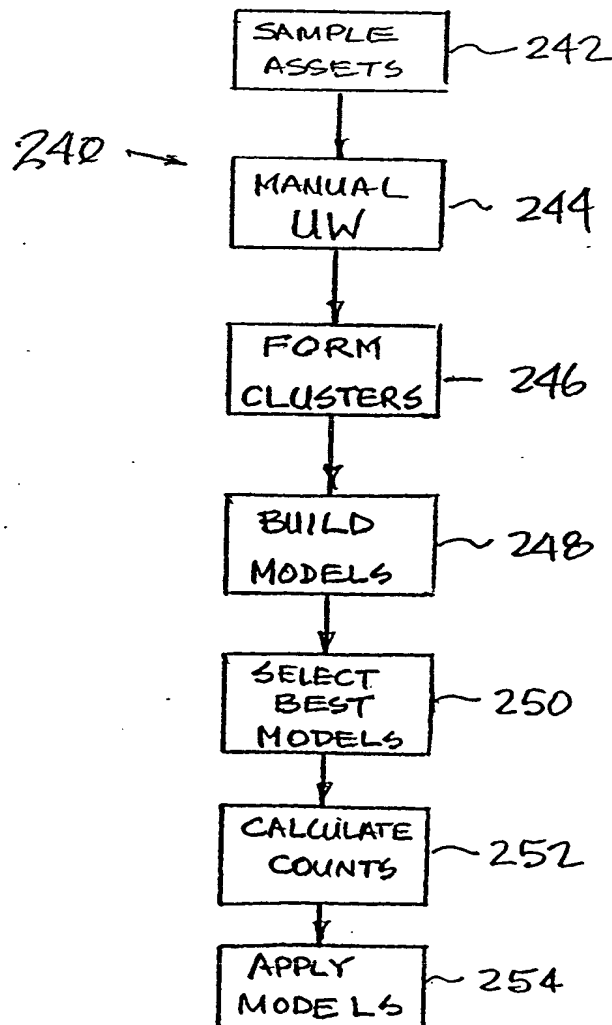


FIG. 8

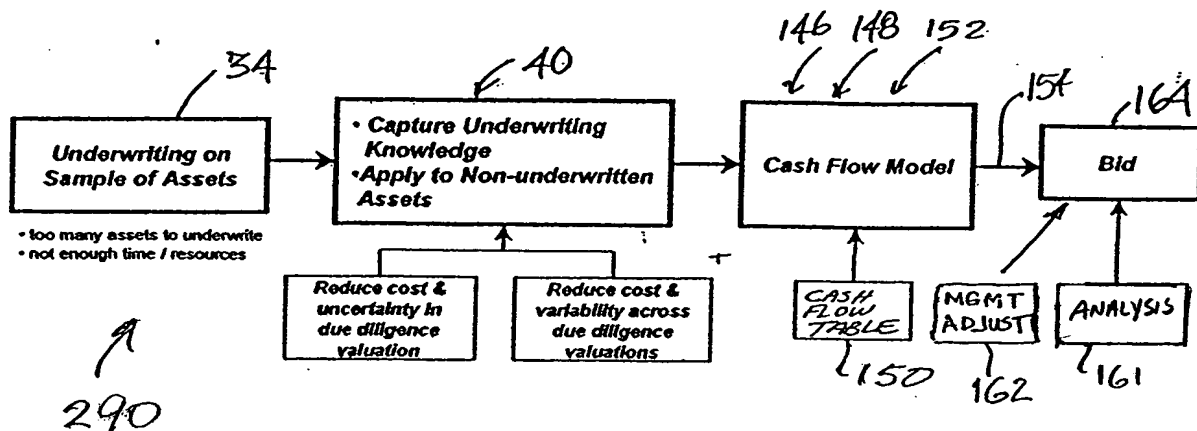


FIG. 9

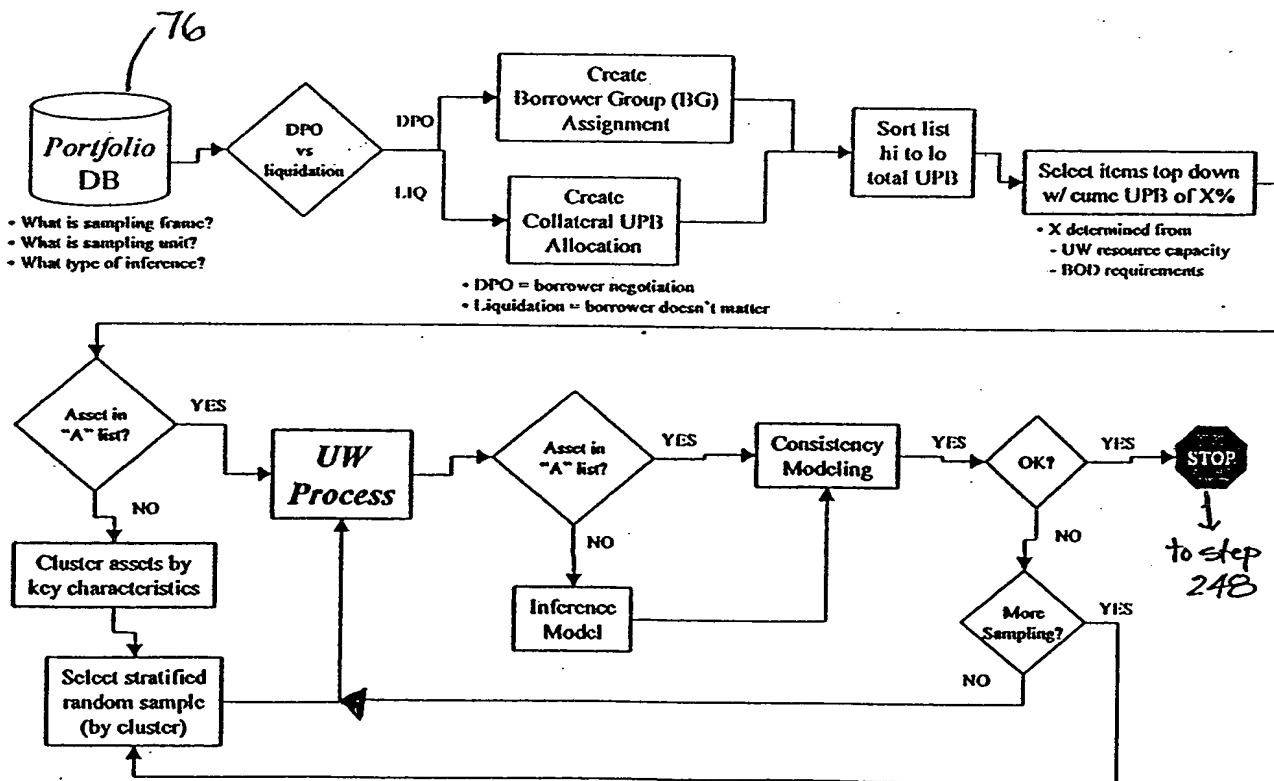


FIG. 10

246

6 Models Built:

- models differ by which variables used
- UW assets get the minimum error prediction (actual - predicted)

Variables Used

Land Area
Bldg Area
Old Appraisal
GEN1 Predicted Current Appraisal
GEN1 Predicted Realized Price
Property Type
Location
- BY -
Com / Res
Group (cluster)

BUILD MODELS - 248

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
Land Area	X		X	X	X	
Bldg Area	X		X	X	X	
Old Appraisal						X
GEN1 Predicted Current Appraisal	X	X	X	X	X	
GEN1 Predicted Realized Price	X	X	X	X	X	
Property Type	X	X	X			
Location	X	X		X		
- BY -						
Com / Res	X	X	X	X	X	X
Group (cluster)	X	X	X	X	X	X

Model "Weights":

- each cell is count of times the model produced best prediction for UW assets
- determines weights for averaging predictions for non-UW assets

Model	Asset Class	Group	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Sum
Court Auction	Commercial	1	13	13	13	8	8	32	87
		2	29	25	29	24	22	19	148
		Total							235
Court Auction	Residential	1	5	5	10	15	4	12	51
		2	4	7	9	3	13	23	59
		3	2	15	11	4	13	8	53
	Total							163	
Market Value	Commercial	1	16	13	11	10	15	21	86
		2	29	22	29	27	24	19	150
		Total							236
Market Value	Residential	1	5	8	4	9	11	14	51
		2	8	8	10	0	15	18	59
		3	6	16	5	5	20	2	54
	Total							164	

FIG. 11

Variable	Category/Value Range	Encoding Scheme
Loan secured	{Yes, No}	Yes = 1 else 0
Loan type	{Revolving, Non-revolving}	Revolving = 1 else 0
Last payment	[0, 250 MM]	0 if Last payment = 0 else 1
Notice of default sent		Prior to Jun 97 equals 1 else 0
Original maturity date		Prior to Jun 97 equals 1 else 0
Syndicated Loan	{Yes, No}	Yes = 1 else 0
Loan guaranteed	{Yes, No, NAV}	Yes = 1 else 0
Collection score	[0, 1]	
Lien position	{-1, 0, 1}	1 if Lien position = 1 else 0
Current unpaid balance/Original balance	[0, 2.9]	Normalized to [0, 1]
Last payment to Interest/Last payment	[0, 1]	

FIG. 12

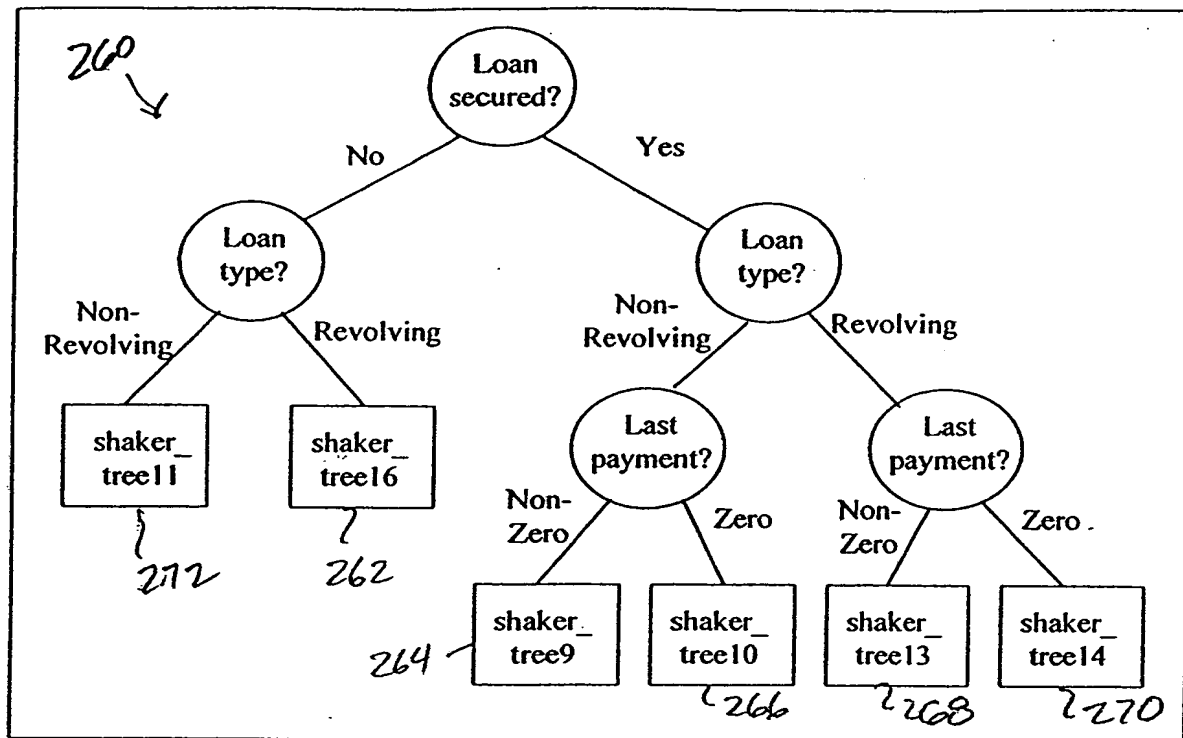
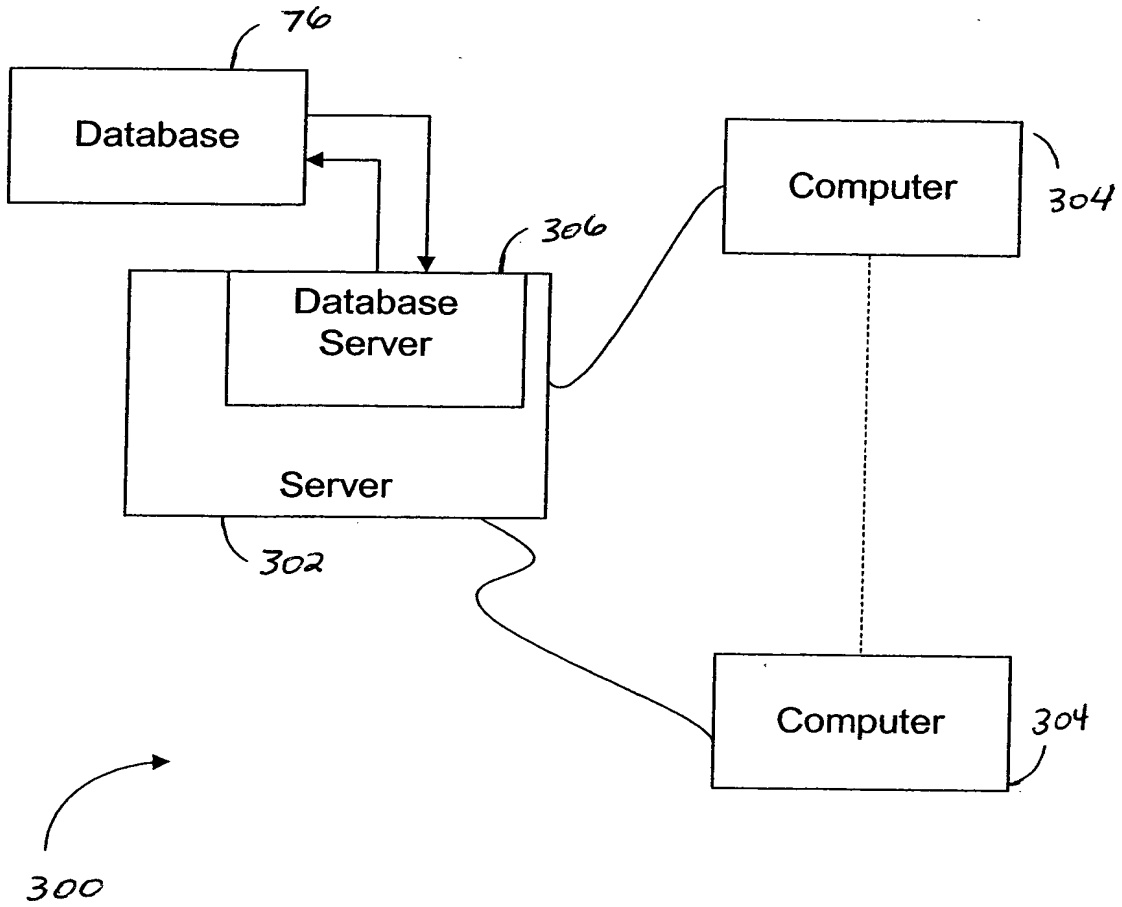


FIG. 13

09736782-121400

Figure 9



09736782-124400